# **ACTA** RADIOLOGICA

#### REDACTORES

ARS EDLING LUND

STOCKHOLM

GÖSTA FORSSELL S. A. HEYERDAHL H. J. PANNER KRISTIANIA

KÖBENHAVN

AXEL REYN KÖBENHAVN

HANS THUE KRISTIANIA

G. A. WETTERSTRAND HELSINGFORS

EDITOR GÖSTA FORSSELL STOCKHOLM



#### COLLABORANT

CHR. BAASTRUP Köbenhavn

P. FLEMMING-MÖLLER

Köbenhavn

O. A. BOIJE Helsingfors R. EMELEUS

Tammerfors

HERMAN GADE Bergen

A. W. SCHIANDER Kristiania

**ELIS BERVEN** Stockholm

HUGO LAURELL Upsala

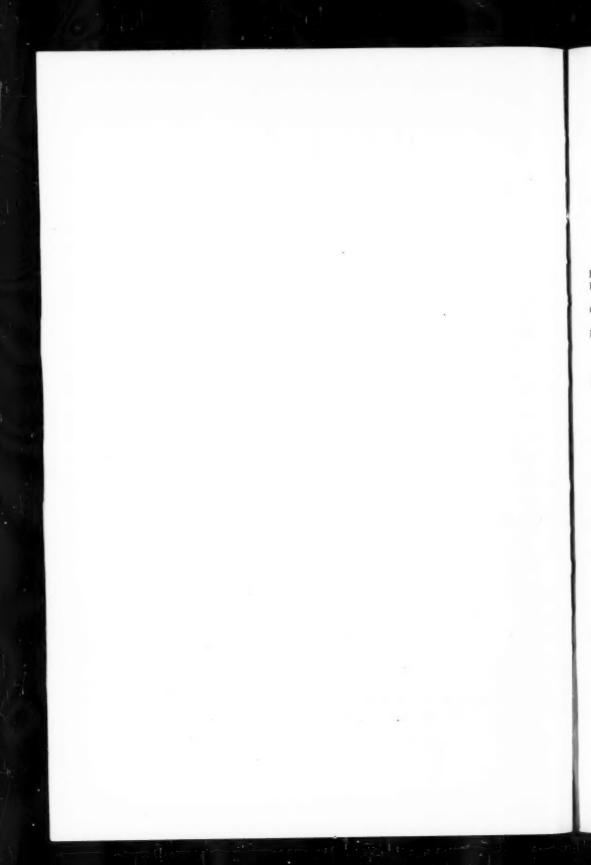
ÅKE ÅKERLUND Stockholm

C. SONNE Köbenhavn

VOL. I

1921-1922

Marcus' Boktryckeri-Aktiebolag STOCKHOLM 1922



# Contents of Volume I

# Original Articles

Editorial					1
L'examen radiologique de l'ulcère du duodénum.					
(Tab. I.)	H.	J. Panner .		×	5
On the X-ray Diagnosis of the Gallstones in the					
Common Duct. (Tab. II.)	M.	Simon			15
Ein Fall von Osteogenesis imperfecta mit ver-					
breiteten Gefässverkalkungen. (Tab. II, Fig. 3;					
Tab. III.)	S.	Johansson .			17
A Case of Arthropatia Psoriatic. (Tab. IV.)	S.	Ström			21
Hemophilia and Hemophilic Arthropathy. (Tab. V-VII.)	T.	Klason			26
A Case of Fracture of the Cranium with Accumu-					
lation of Air in the Cranial Cavity. (Tab. VIII.)	N.	Hansson .			42
A Plateholder for Precise Roentgenography in Con-					
nection with Fluoroscopy	G.	Forssell			48
Microscopic Examination of the Mucous Membrane					
of the Nose on Patients under Treatment for	K.	A. Heiberg			
Lupus Vulgaris with Universal Arc-light Baths		Strandberg .			51
On Plastic Means of Applications in Radium Therapy.		Edling			60
Die Intensitätsverteilung der primären 7-Strahlung					
in der Nähe medizinischer Radiumpräparate .	R.	M. Sievert .			89
Heinrich Ernst Albers-Schönberg. In Memoriam .	-	Forssell			129
On the Roentgen Diagnostics of Changes in the					
Appendix and Caecum. (Tab. IX-XIII.)	S.	Ström			133
Pericarditis calculosa und Herzverkalkungen. (Tab.					
XIV.)	T.	Klason			162
A Hitherto Unknown Affection of the Patella in	-				
Children. (Tab. XV – XVI.)	Si	nding-Larsen			171
Koehler's Disease, especially with a View to the					
Pathogeny of the Same. (Tab. XVII.)	H.	Abrahamsen			174
	-	F. Fischer .			179
Radium Treatment of Changes in the Thyreoid				•	
Gland	S	A. Heyerdahl			207
On Plastic Means of Application in Radium Therapy		Edling			
Recherches comparées sur les conditions de motilité	and a	Luins			-10
de l'estomac après le repas d'épreuve clinique					
et la bouillie de baryte	0	Wissing			243
Clinical Examinations of a 4 Hours' Roentgen Re-	٥.			,	240
	TI	. Eiken			262
tention	8 8	. Linen	*	*	202

with Special Reference to the so-called Stierlin-						
Sign		P.	Flemming-Möll	er		266
Das Nischensymtom bei Carcinoma ventriculi. (Tab. XVIII.)			Åkerlund .			274
Die topografischen Verhältnisse der interlobären			Kreusfuchs			214
Spalten der Lunge			Schumacher			284
Radiologische Methoden zur Bestimming der Con-						
jugata vera	*	T.	Klason			308
A Peculiar Characteristic Metatarsal Disease. (Tab.						
XIX—XXII.)		H.	J. Panner .		*	319
Os Vesalianum Tarsi and Fracture of Tuberositas		CI				
Ossis Metatarsi V. (Tab. XXIII—XXV.) Altérations du sang chez les malades traités par		Ch	r. I Baastrup			334
les rayons X et par le radium		А	Westman .			349
Treatment of Malignant Tumours with Radium	*	21.	mesimun .		*	349
Needles		S.	A. Heyerdahl			358
The Treatment of Myoma Uteri and Menorrhagia		-				000
with Radium and Roentgen Rays		S.	A. Heyerdahl			366
Some Technical Arrangements in Roentgen Diag-		J.	F. Fischer			
noses and Therapy		Ch	r. I. Baastrup			372
A Device for Providing Protection against Light at						
the Entrance to the Dark Room at the Roentgen						
Institute			Edling		•	375
Professor Johan Frederik Fischer. In memoriam		H.	J. Panner .			377
Roentgenological Examinations of the Motility of						
the Stomach in Healthy Individuals during Rest			Ale Misles			970
and Motion	4	A.	Als Nielsen .	۰		379
—XXX.)		H	Waldenström			384
A Study on the Roentgen Aspect of Tuberculosis	٠	44.	waruensii om	۰		904
of the Joints and its Relation to the Clinical						
Aspect, especially when under Treatment by						
Universal Light Baths. (Tab. XXXI)		E.	Collin			395
Ein Beitrag zur Röntgenologie der echten Misch-						
geschwülste des Rumpfes. (Figs)		H.	Laurell			406
On the Roentgen Treatment of Brain Tumours .		S.	Nordentoft .			418
Results of Treatment of Surgical Tuberculosis with						
Carbon Arc-Light Baths at Finsen's Light In-						
stitute from 1913 to 1921		N.	P. Ernst .		×	422
Résultats de notre traitement de la lymphadénite			F2 141			
tuberculeuse par les rayons X, à Lund	4.	L.	Edling		0	455
Résultats du traitement des hémorragies climatériques par la radiumthérapie dans la clinique de Radium		,	Heyman			470
Zur Frage der Intensitätsverteilung der Y-Strahlen	*	J.	Heyman		*	410
radioaktiver Substanzen innerhalb eines absor-						
bierenden Mediums		A	. Glasser			475
Über Vorrichtungen zur Abblendung der Sekundär-						
strahlung bei der Röntgendiagnostik		Å.	. Åkerlund .			480

### Proceedings of the Second Meeting of the Nordisk Förening för Medicinsk Radiologi at Copenhagen, September 24, 25, 1921, edited by T. Larsén

On the Roentgen Diagnostics of Changes in the					
Appendix and Cæcum					489
	*				
On the Roentgen Treatment of Morbus Basedowii	*				493
Radium Treatment of Changes in the Thyreoid Gland Discussion: Edling, Frumerie, Nordentoft, Trier, Reyn, Fischer, Flemming-Möller, Heyerdahl, Frumeri, Eiken, Nordentoft, Forssell		S. A. Heyerdahl			493
Studies of the Mechanism of Movement of the Mucous					
Membrane in the Digestive Canal		G. Forssell .			511
Das Nichensymptom bei Carcinoma ventriculi					512
Clinical Examinations of a 4 Hours' Roentgen Re-					
tention	۰	Th. Eiken	۰	۰	512
and Motion		A. Als Nielsen			512
Discussion: Forssell, Eiken, Als Nielsen					512
On the Roentgen Picture of the Jejunum					512
Some Gall-stone Cases of Roentgenological Interest					517
Discussion: Panner, Edling, Simon					518
On Pneumopertioneum after Operation					520
A Case of Hepatoptosis					520
Discussion: Laurell, Edling					520
					520
Radiologische Methoden zur Bestimmung d. Con-		T Viscon			522
jugata vera		I. Klason			
Demonstration of Two Apparatus for adjusting	D	H. J. Panner .			522
Roentgen Tubes in Therapy		G. Forssell .			523
Treatment of Malignant Tumours with Radium		,			
Needles		S. A. Heyerdahl			523
Discussion. Edling, Heyerdahl					523
Résultats du traitement des hemorragies clima- teriques par la radiumtherapie dans la clinique					
de Radium		J. Heyman	×		524
The Radiotherapeutic Treatment of Uterine Myo-					
mata at the Radium Home, Stockholm		B. Lundquist .		۰	524

The Treatment of Myoma Uteri and Menorrhagia with Radium and Roentgen Rays Discussion: Nordentoft						52° 52°
Altérations du sang chez les malades traités par les rayons X et par le radium						
A Study on the Roentgen Aspect of Tuberculosis of the Joint and its Relation to the Clinical Aspect, especially when under Treatment by						
Universal Light Baths	*	E.	Collin	*	*	529
Baths						529 529
A Case of Lupus Mutilans	٠	A.	Scholander .	4		530 532
On The Treatment of Brain Tumours  Discussion: Heyerdahl, Berven, Panner, Fischer,						532
Nordentoft						532
On Electrocoagulation		<i>J</i> .	Bagge			535 535
Roentgen Treatment of Hidradenitis		E.	Berven			536 536
ment in the Mouth and Pharynx Discussion: Berven, Schele						540 542
A Device for Providing Protection against Light at the Entrance to the Dark Room at the Roentgen Institute		L.	Edling			542

# Communications concerning "Nordisk Förening för Medicinsk Radiologi"

Rules of the »Nord	isk	F	irer	ning	fö	)r	Med	lici	insk	Ra	di	ologi»					543
Council 1921-23								*									546
Honorary Members																	546
List of Members .																	
Editorial. Rules																	
Desiderata about th	e M	Mar	ius	crip	ts								-				551

## Index to Volume I

(Original Articles)

Roentgen Diagnostics	Ossis Metatarsi V
Digestive Tract	Coxa Plana
	Tuberculosis of the Joints 395, 529
L'ulcère du duodenum 5	Lupus Mutilans
Gallstones	Skeleton Anomaly
Changes in the Appendix and Cæcum 133, 489	
Les conditions de motilité de l'estomac après le repas d'épreuve clinique et la	Roentgen Therapy
bouillie de baryte 243	Morbus Basedowii 179
4 Hours' Roentgen Retention 262, 512	Altérations du sang 349, 528
lleocaecal Tuberculosis	Myoma Uteri and Menorrhagia 364, 527
Das Nischensymptom bei Carcinoma ven-	Brain Tumours 418, 532
triculi	Lymphadénite tuberculeuse
Motility of the Stomach 379, 512	Hidroadenitis
Echte Mischgeschwülste	That oudefillio
Mechanism of Movement of the Mucous Membrane in the Digestive Canal 511	Radium Therapy
Roentgen Picture of the Jejunum 514	Plastic Means of Application 60
Pneumoperitoneum after Operation	Thyreoid Gland 207, 493
Hepatoptosis 520	Altérations du sang 349, 528
	Malignant Tumours with Radium Needles 358,
Heart	523
n t 191 t- t 1 11 t- 11-	Myoma Uteri and Menorrhagia 364, 524, 527
Pericarditis calculosa und Herzverkalk-	
ungen	Phototherapy
Lungs	Mucous Membrane of the Nose 51
Die teerestierten Merkulteren der teter	Surgical Tuberculosis
Die topografischen Verhältnisse der inter-	The Treatment at Hospitals by Universal
lobären Spalten der Lunge 284	Light Baths
Diseases and Fractures of Bones	
and Joints	Electrotherapy
and joints	Electromerapy
Osteogenesis imperfecta	Electrocoagulation
Hemophilia and Hemophilic Arthropaty . 21	Tashnisus
Fracture of the Cranium with Accumula-	Technique
tion of Air in the Cranial Cavity 26	Pantan Franinsticas
Affection of the Patella in Children 171	Roentgen-Examinations
Koehler's Disease	A Plateholder for Precise Roentgenography
Metatarsal Disease	in Connection with Fluoroscopy 4
metatarsar Disease	in connection with Fidoroscopy 4

Radiol. Methoden zur Bestimmung d. Conjugata vera	Radium Physics  Die Intensitätsverteilung der primären Gamma-strahlung in der Nähe medizinischer Radiumpräparate 89, 473
Roentgen Treatment	Obituaries
Some Technical Arrangements 372 Apparatus for adjusting Roentgen Tubes in Therapy	Heinrich Ernst Albers-Schönberg. In Me- moriam
	Memoriam
Plastic Means of Application	Editorial 1, 550

#### List of Authors

#### Cited in Volume I \*

Blau, 127.

Abrahamsen, 174.
Acrell af, 42.
Adrian, 21,
Aikin, 208, 508.
Åkerlund, 9, 11, 12, 14, 159,
253, 274, 339, 340, 348, 480,
492, 512.
Albanus, 62, 65, 66, 241.
Albeck, 504.
Albers-Schönberg, 318, 407, 417,
536, 538, 539.
Albert, 309.
Amreich, 90, 127.
Aschoff, 158, 275, 283.

Baastrup, 334, 372. Baetjer, 134, 155, 158. Bagge, 535. Baisch, 237, 241, 457, 459, 460, 461, 464, 466. Balfour, 515, 516. Bang, 184. Barcat, 208. Bardeleben, 338, 348. Barjon, 456. Baron, 12. Barsony, 12 Bartholin, 335. Baudon, 134. Bauer, 338. Bauhin, 335. Beck, 16. Beclère, 134. Belot, 134. Benedict, 500 Berberich, 515. Berghel, 528. Bergmann von, 10. Bergmark, 408. Bergonié, 456. Bernhard, 424. Berven, 64, 76, 78, 79, 86, 220, 223, 224, 230, 234, 241, 533, 535, **536**, 540, 542. Bibegeil, 348.

Blaudin, 338, 348. Blegvad, 423. Blos, 466. Borchardt, 339, 342, 348. Bordier, 456. Borelius, 407, 496. Boucura, 28, 40. Bourget, 8, 247. Bowlby, 28, 40. Brandenstein, 376, 283. Brock, 25, 503, 504, 509. Brodnitz, 40. Bucky, 480, 481, 486.

Caldwell, 484, 485. Calvé, 385. Carman, 9, 11, 134, 246, 247, 277, 283, 515, 516. Carrière 31, 40. Carty Mc, 275, 283. Case, 9, 12, 16, 134, 135, 145, 146, 153, 490. Cassirer, 24, 25. Chadwich, 227. Chamberlain, 310, 318. Channing, 40. Chaul, 9, 12. Chéron, 241. Christen, 127. Clairmont, 284, 290 Claqett, 208, 209. Clark, 360. Collin, 395, 529. Conder, 170. Connell, 141, 159, Coole, 9. Cottman, 40.

Cabannes, 31, 40.

Dagaew, 515. Dahl, 515. Dahlgren, 41. Degrais, 62, 64, 66, 208, 219, 242. Dessauer, 90, 127, 318. Desternes, 134. Deycke, Pascha, 24, 25. Diemer, 162, 163, 170. Dietlen, 284, 285, 289, 305. Disson, 464, 466. Döderlein, 241. Dominici, 208. Dorff, 90. Doutrelepont, 531. Drevon, 345, 347. Drummond, 275, 283. Drüner, 309. Duplant, 276, 283. Dwight, 347. Edeiken, 407, 417.

Edling, 60, 219, 358, 375, 407, 417, 455, 493, 508, 518, 521, 523, 540, 542. Eiken, 262, 509, 512, 513. Eimer, 318, Eiselsberg, 203. Eisen, 134. Emery, 336, 338, 348. Engers, 34, 41. Ernst, 51, 404, 422. Escaude, 32, 41. Etlinger von, 40. Eve, 95, 127.

Eve, 95, 127.

Faber, 8, 247, 509.

Fabre, 309, 318.

Failla, 65, 241.

Faulhaber, 6, 249, 268, 269, 270, 272, 273.

Fingerhut, 527.

Fischer, H., 334, 339, 340, 344, 348.

Fischer, J. F., 179, 372, 378, 383, 493, 494, 496, 507, 520, 521, 533, 535.

Fleischer, 379.

<sup>\*</sup> The full-faced figures refer to original articles.

Florence, 74.
Forssell, 5, 6, 8, 9, 16, 33, 48, 62, 134, 159, 174, 177, 178, 201, 204, 242, 395, 456, 457, 473, 489, 490, 492, 493, 498, 509, 511, 512, 515, 523.
Frangenheim, 19.
Freud, 515.
Friedenwald, 134, 155, 158.
Frieder, 385.
Friedrich, 94, 117, 127, 128.
Frisch, 457.
Froelig, 40.
Frölich, 347.
Fromme, 324.
Frumerie, 498, 505, 508.
Fürnrohr, 25.

Gegenbauer, 38. Gelinsky, 337, 348. George, 9, 134, 136, 143, 145, 158 Gerber, 9, 134, 136, 143, 158. Glaisher, 127. Glasser, 90, 117, 127, 476 Glocker, 90, 127. Gocht, 31, 90. Goldammer, 270, 273. Graff von, 203. Grandidier, 26, 40. Grashey, 334, 348. Greinacher, 127. Gressot, 40. Gregorieff, 134, 139, 142, 489, 134, 157, 163, 170, Groedel, 244, 273, 382, 490. Gruber, 335, 336, 339, 342, 348. Gruenhagen, 310, 318. Guilbert, 310, 317, 318.

Haberer, 515. Habs, 90, 127. Hamburger, 274, 283. Hamilton, Mc Lane, 41. Haenisch, 25, 176, 178, 517. Hanssen, 40. Hansson, 42. Harris, 500. Hartley, 407, 417. Hasselwander, 336, 339, 341, 342, 348. Haudek, 244, 247, 249, 251, 252, 254, 255, 258, 276, 277, 283, 382. Hauser, 275, 283. Heiberg, 51, 423. Heinecke, 349, 456, 459. Herschfinkel, 68, 242. Hertwig, 348. Hess, 127.

Hesse, 516.

Heyerdahl, **207**, **358**, **366**, 422, 491, 493, 505, 507, 508, 523, 527, 532, 533. Heyman, 524, 470. Heynemann, 309, 318. Hirschfeld, 275, 283. Hollitsch, 277, 283. Holland, 347, 407, \$16, 417. Holmes, 43, 46. Holzknecht, 5, 6, 7, 9, 138, 139, 147, 456. Huret, 134. Hutchinson, 532.

Jacobæus, 25, 500.
Jacobsohn, 41.
Imboden, 134.
Janeway, 242.
Jansen, 54.
Johansson, 17, 171, 345.
Jolasse, 380, 382.
Jordan, 467.
Josephson, 407, 417.
Ipsen, 395.
Iselin, 337, 348, 456, 457, 458, 460, 466.
Ising, 127.
Juisson, 143, 159.

Kästle, 244, 258, 382, 407, 417.

Kauffmann, 276, 283.

Kaupp, 90. Keetmann, 94, 127. Kehrer, 90, 127, 318. Kellogg, 156, 157, 158, 159. Kerckring, 7. Kienböck, 268, 273, 456, 457, 459. King, 127. Kirschner, 336, 342, 348. Kisch, 396. Kjaergaard, 379. Klason, 26, 156, 308, 522. Klinger, 27, 40. Knox, 16. Köhler, 177, 178, 323, 324, 325, 330, 331, 337, 348. Kohlrausch, 127, 128. König, 29, 30, 31, 40. Koritzinsky, 174, 178. Krall, 460. Krogh, 198, 504, 508. Krönig, 74, 94, 128, 242. Kreuzfuchs, 5, 7, 8, 9, 252, 253, 284, 382. Küpferle, 277, 283, 514. Küttner, 531.

Lahm, 90. Langenbeck, 531. Laquerrière, 345, 347. Laurell, 406, 491, 493, 520. Ledoux-Lebard, 25, 517. Legg, 385. Lenk, 204. Leonard, 9, 134, 145. Lesser, 532. Lévy-Solal, 310, 317, 318. Lexer, 406, 417. Liertz, 134. Lilienfeld, 337, 340, 341, 342, 348. Lindsky, 40. Linser, 30, 40. Lloyd-Bryan, 25. Lorey, 180. Lossen, 27, 28, 30, 40. Lotzin, 480, 481, 486. Lucas, 163, 170. Lucket, 43. Lüdin, 16. Lüdtin, 162, 163, 176. Lundquist, 524.

Lauenstein, 389.

Machado, 25. Mackenzie-Davidson, 309, 317, 318. Madsen, 8. Magnus, 532, 533. Manges, 309, 310, 317, 318. Mankiewicz, 31, 40. Mannaberg, 203. Marcowic, 380. Matsuoka, 40. Matzdorff, 94, 128. May, 43. Mayo, 5. Meering, 379. Mehn-Andersen, 40. Mehring, 5. Menaud, 31, 40. Meyer, 94, 128. Meyer-Hürliman, 41. Meulengracht, 174, 177, 178. Miller, 99, 128, 134, 163, 170. Moebius, 498. Morawitz, 27, 40. Morrison, 275, 283. Moseley, 95, 128. Most, 466. Mouchet, 177, 178. Moyniham, 5, 275, 283. Müller, 164, 170, 278, 283. Murmingas, 40.

Neubert, 24. Neuman, 32, 40. Newell, 310, 318. Nielsen, 275, 283, **379**, 512, 513. Nobel, 532. Nunning, 503. Nordentoft, 179, 180, 201, **418**, 503, 507, 508, 509, 527, 528, 532, 534. Novascinsky, 273. Nové-Josserand, 385.

Oberndorfer, 144, 145, 159, 163, 170. Odquist, 491. Öhnell, 274, 283. Oldenburg, 422. Opitz, 128. Ortner, 170, 306. Otto, 28, 40, 485.

Paget, 416. Panner, **5**, 252, **319**, 378, 385, 505, 518, 519, 522, 533. Paterson, 515. Pan, du, 32, 40. Payer, 407, 417. Payr, 275, 283. Perthes, 385 Perussia, 380 Petersen, 459, 461. Petrén, 408. Pfitzner, 335, 336, 338, 339, 340, 348. Phaler, 16, 134, 158, 309, 318. Phemister 42. Pick, 170. Pinch, 65, 242. Piollet, 29, 40. Potter, 43, 481, 482, 483, 486. Powell, 407, 417. Priser, 176, 178, 328. Pulfrich, 309. Pussey, 456.

Quensel, 412. Quervain, de, 273. Quimby, 134.

Rapp, 458.
Rasmussen, 505.
Rédard, 456.
Reinert, 28, 40.
Reyn, 51, 405, 422, 506, 507, 508, 509, 529, 532.
Revesz, 268, 269, 270, 273.
Rhonheimer, 32, 40, 41.
Ridell, 309, 318.
Riebord, 40.
Riecke, 24.
Rieder, 163, 164, 170, 244.
Robinson, 95, 128.
Roederer, 177, 178.
Rollier, 395, 424, 425, 453.

Roux, 159. Rosebrugh, 99, 128. Rosin, 40. Rovsing, 509. Robens-Duval, 241. Rubow. 423.

Rubow, 423. Runge, 310, 317, 318. Russel, 246, 247. Rutherford, 74, 128, 242.

Sabraze, 31, 40. Sahli, 27. Saxer, 417. Scaduto, 25 Schäffer, 174. Schaldemose, 332. Schéle, 536, 540, 542. Scheuermann, 330. Schlesinger, 7, 9, 10, 11, 68, 237, 242, 273, 283, 382, 514. Schloessmann, 40. Schmidt, 128, 422. Scholander, 530. Schomburg, 338, 348. Schouinsland, 338, 348. Schouwey, 336, 339, 340, 348. Schultze, 176, 178. Schumacher, 284. Schwartz, 157, 159, 162, 170, 268, 269, 273, 382, 385, 457.

Schweidler, 94, 128. Secher, 199, 504. Seitz, 119, 128, 201, 527. Seuffert, von, 90, 128, 237, 241, 242. Shalin, 146.

Simmonds, 162, 170. Simon, 15, 514, 517, 518, 519. Sinding-Larsen, 171, 385. Singer, 147. Sjövall, 407. Söderlund, 407. Sölling, 496, 503.

Sievert, 89, 475, 477.

Shaw, 31, 40.

Siegel, 350.

Sonntag, 407, 416, 417. Sourdat, 385. Spitzer, 422. Spriggs, 134, 136, 143, 159. Spronck, 335, 348. Starker, 38, 41. Steiger, 203. Stephan, 503, 504, 509. Stepp, 180.

Stevenson, 242, 523. Sticker, 62, 66, 242. Stierlin, 9, 12, 244, 249, 251, 254, 266, 267, 268, 269, 270, 272, 277, 283, 382, 514. Strandberg, 51, 424. Strauss, 276, 283. Ström, 21, 133, 489, 490, 493, 493. Stubenrauch, von, 40. Stumme, 176, 178. Sundt, 327, 385. Szmidt, 128.

Tapie, 32, 41. Tardieu, 28, 40. Taylor, 385. Thilenius, 337, 339. Thirring, 94, 128. Tillmann, 40. Trendelenburg, 309. Trier, 505. Tripier, 276, 283.

Unna, 53.

Waldeier-Jössel, 285. Waldenström, 384. Warner, 134. Warnier, 309. Wassy, de, 42. Watkins, 134. Weil, 170, 324, 331, 406, 417. Wenckebach, 164. Werner, 67, 242, 458, 484. Werning, 199. Westermeyer, 41. Westman, 349, 528. Wetterer, 66, 180, 242, 456, 457, 458, 459, 464. White 283. Wickham 62, 64, 66, 208, 209, 242. Willes 246, 247. Williams 456. Wilms 417. Wilnes 140. Wilson, 33, 41, 275, 283. Wintz, 119, 128, 201, 458, 527. Wirth 180. Wissing, 243, 382. Vougt, 41. Vuillet, 41. Wulasch, 382. Würtzen, 423.

Yovtchitch, 32, 41.

Zenker, 275. Ziegelroth 379.





